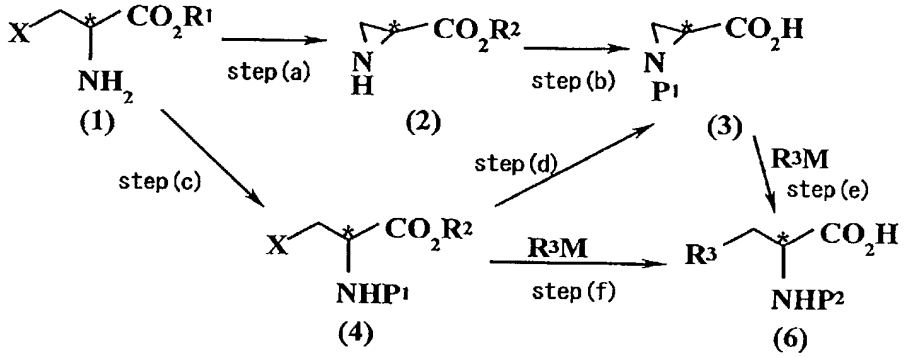
Fig. 1


X
CO2R1
NH2
(1)
step (a)
N
H
CO2R2
(2)
step (b)
N
P1
CO2H
(3)
step (c)
step (d)
R3M
step (e)
X
CO2R2
NHP1
(4)
R3M
step (f)
R3
CO2H
NHP2
(6)